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(54) MANUFACTURE OF SILICONE COMPOSITE BODY

(57) Abstract:

PURPOSE: To easily manufacture silicone composite body consisting of surface protective layer and stress relaxation layer by a method wherein layer made of silicone composition, which turns into the form of gel by hardening, and silicone composition, which is provided on the surface of the layer and turns into the form of elastomer or the like, are hardened simultaneously.

CONSTITUTION: The silicone composite body concerned consists of base layer made of silicone gel and surface layer, which is formed on the surface of the base layer and made of

silicone elastomer or silicone resin. In this case, at the manufacturing of the silicone composite body, firstly, layer made of hardening silicone composition, which hardens into gel-like hardened matter, is provided. Next, on the surface of the above-mentioned layer, layer made of hardening silicone composition, which is non-compatible with the above-mentioned composition and, at the same time, hardens into elastomer-like or resin-like hardened matter. In succession, the respective layers made of the above- mentioned compositions are hardened simultaneously. Thus, silicone composite body consisting of surface layer having high hardness and the like and base layer having low hardness and the like is easily manufactured by single hardening treatment.

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